

FIG. 1

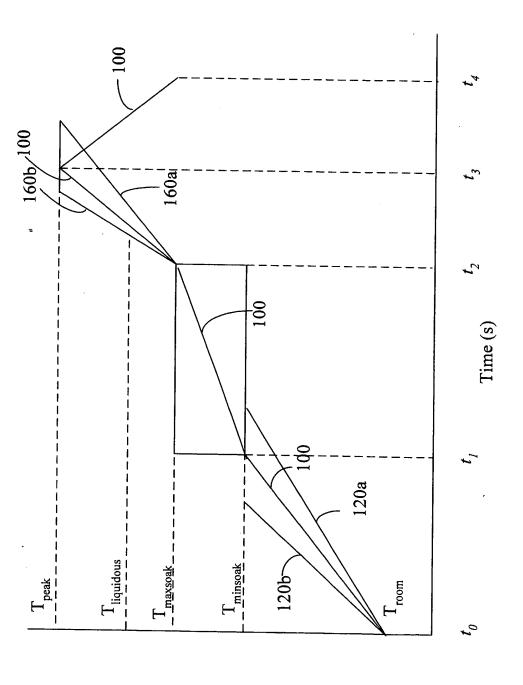


FIG. 2

1



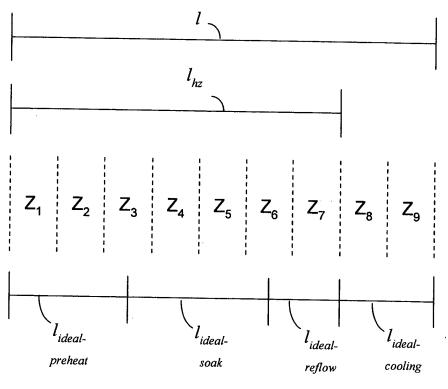
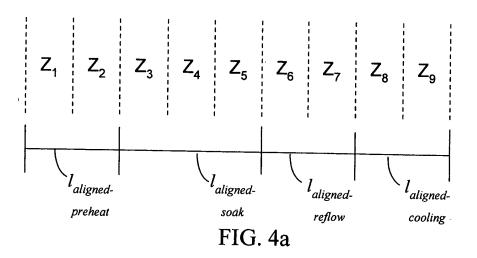


FIG. 3a



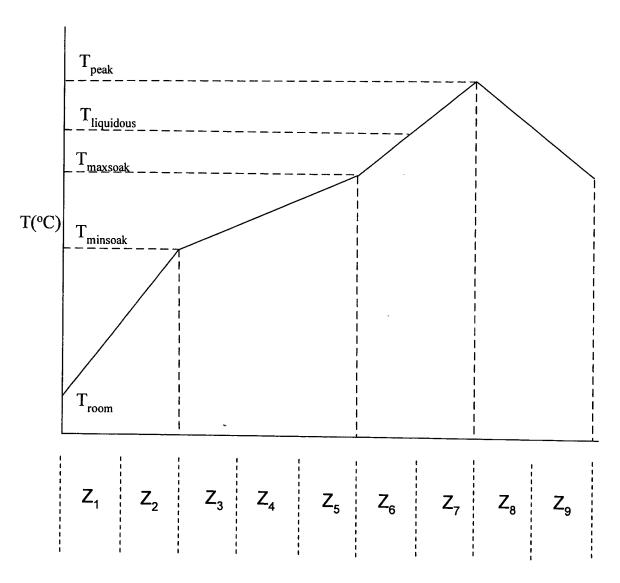
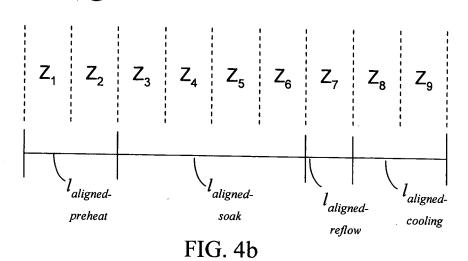


FIG. 3b

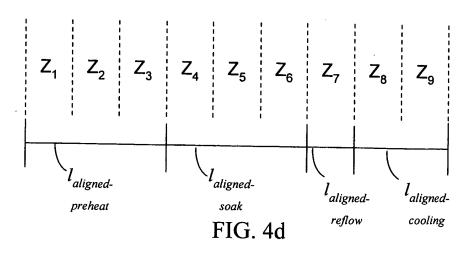
cooling

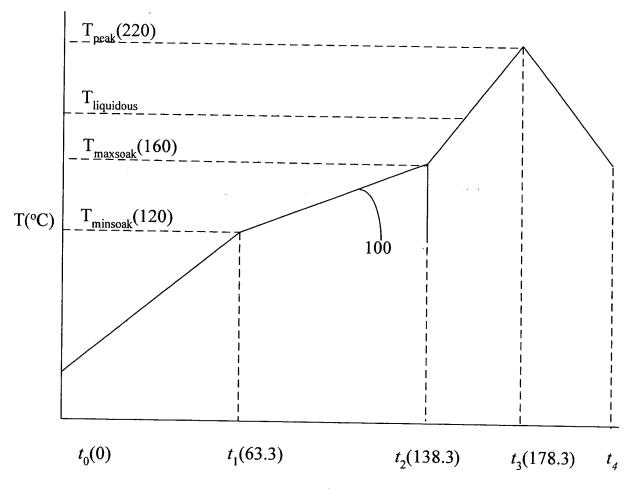
reflow



 Z_1 Z_2 Z_3 Z_4 Z_5 Z_6 Z_7 Z_8 l aligned $l_{\it aligned}$ ^laligned $l_{\it aligned}$ preheat soak

FIG. 4c





Time (s)

FIG. 5

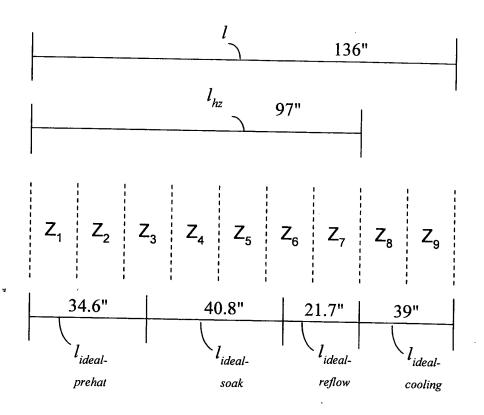


FIG. 6

(_

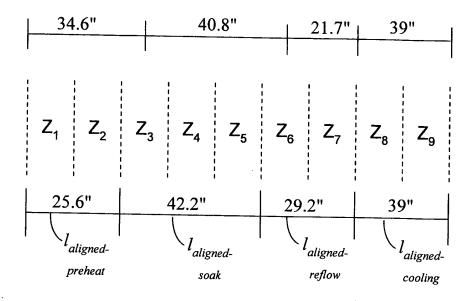


FIG. 7a

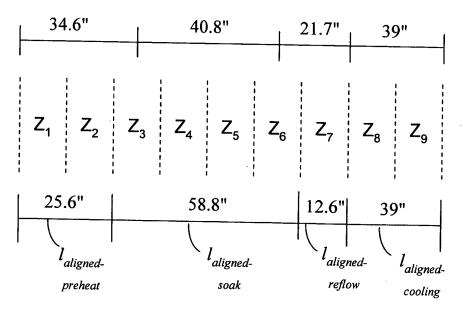


FIG. 7b

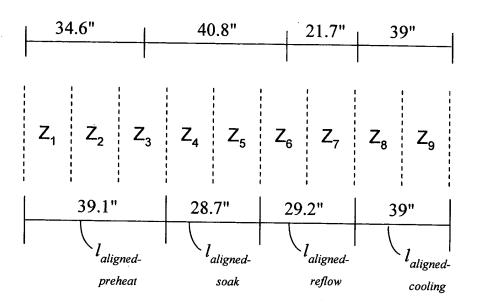


FIG. 7c

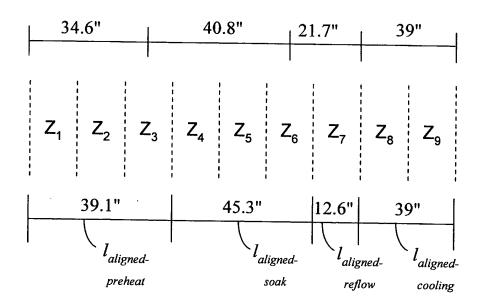


FIG. 7d

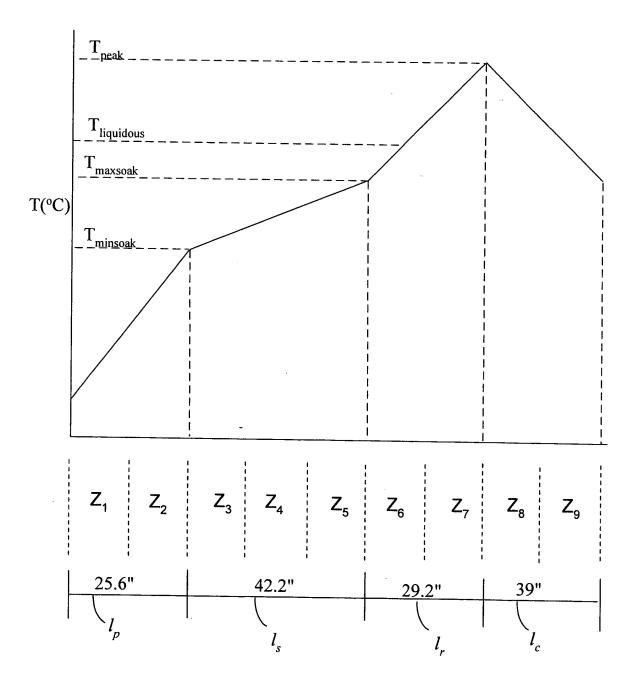
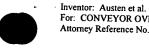
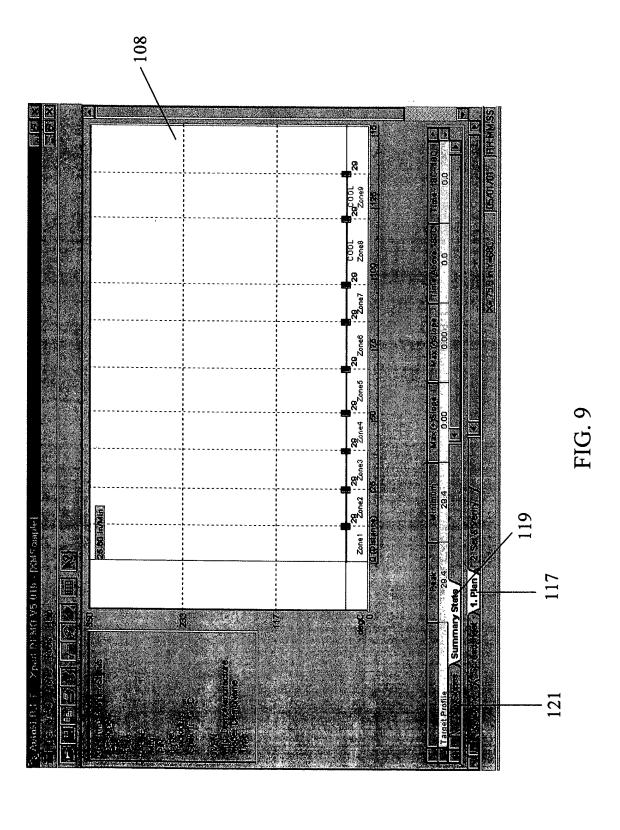
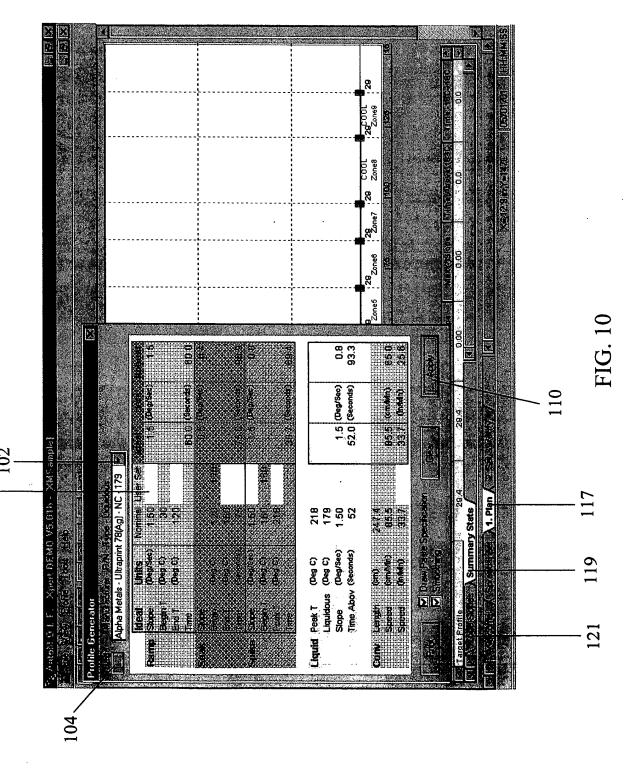
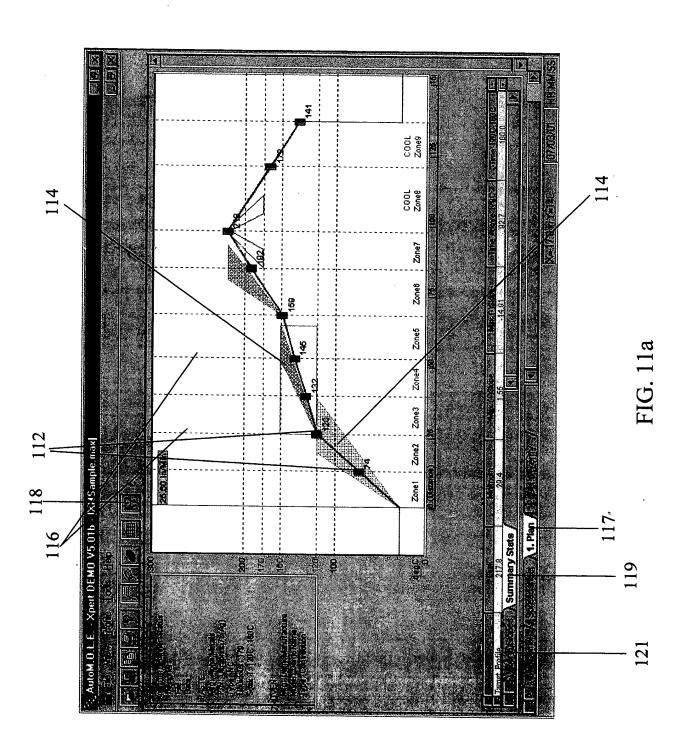


FIG. 8

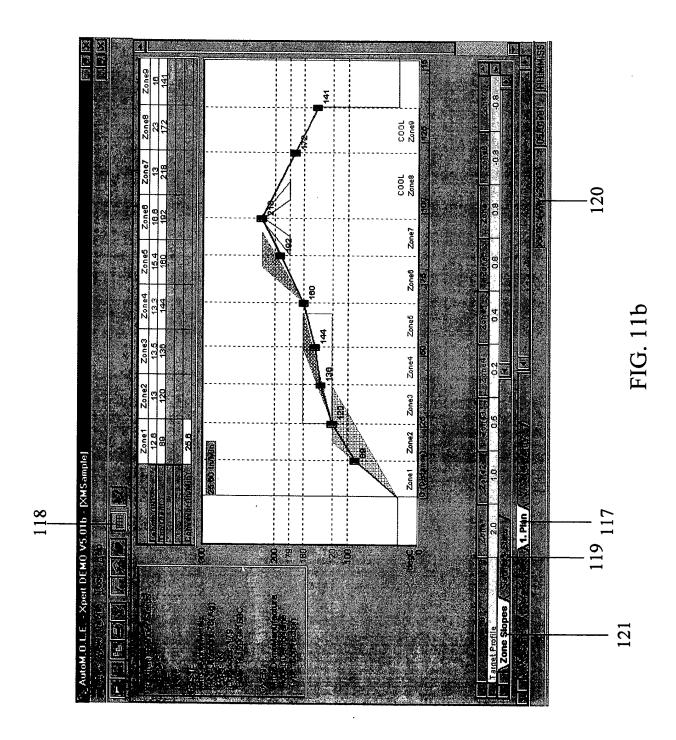


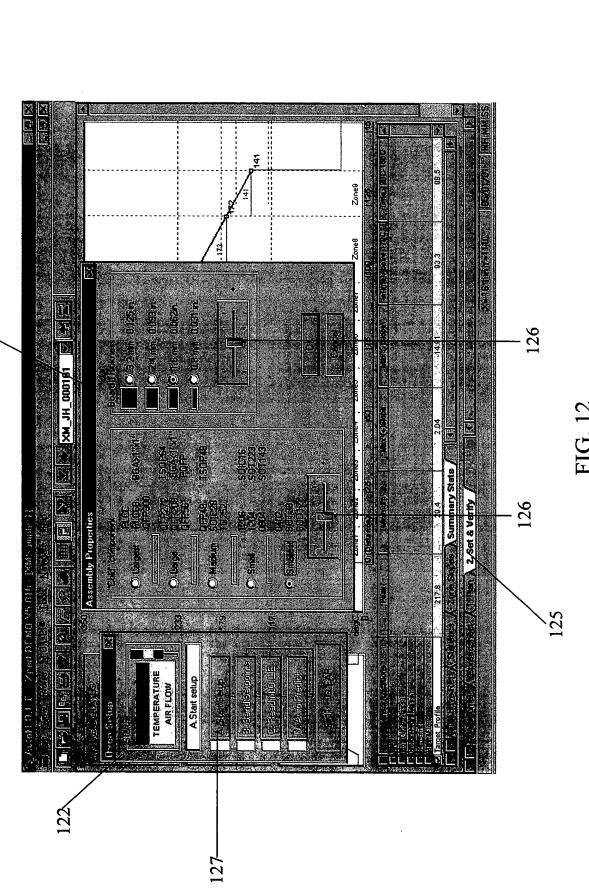


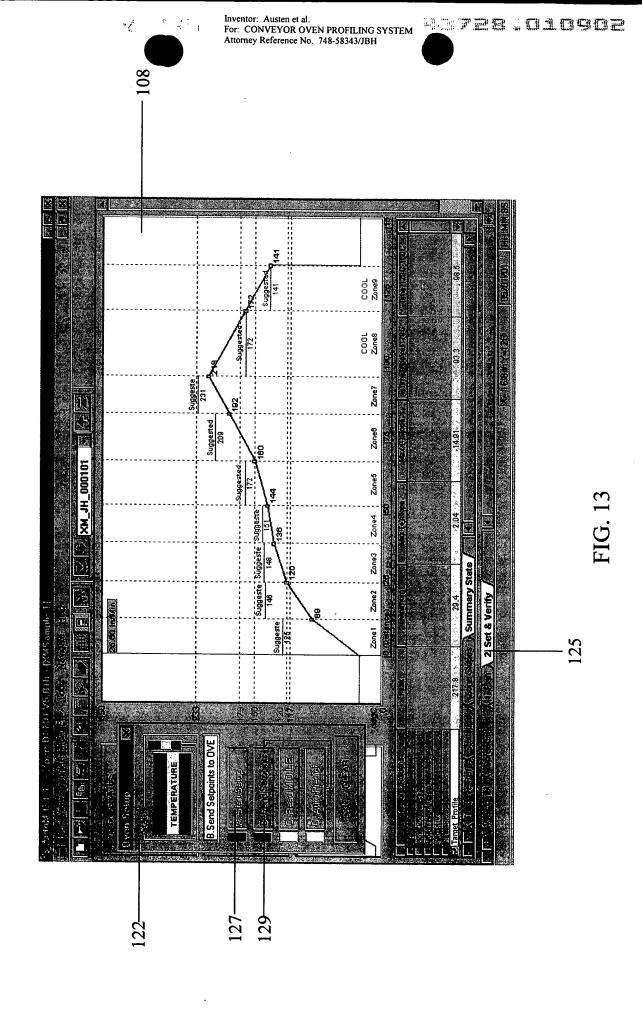


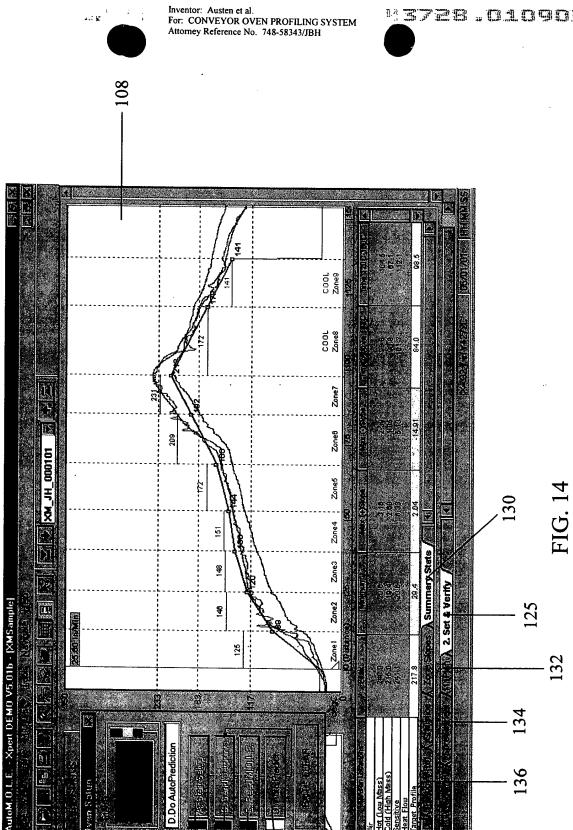


150

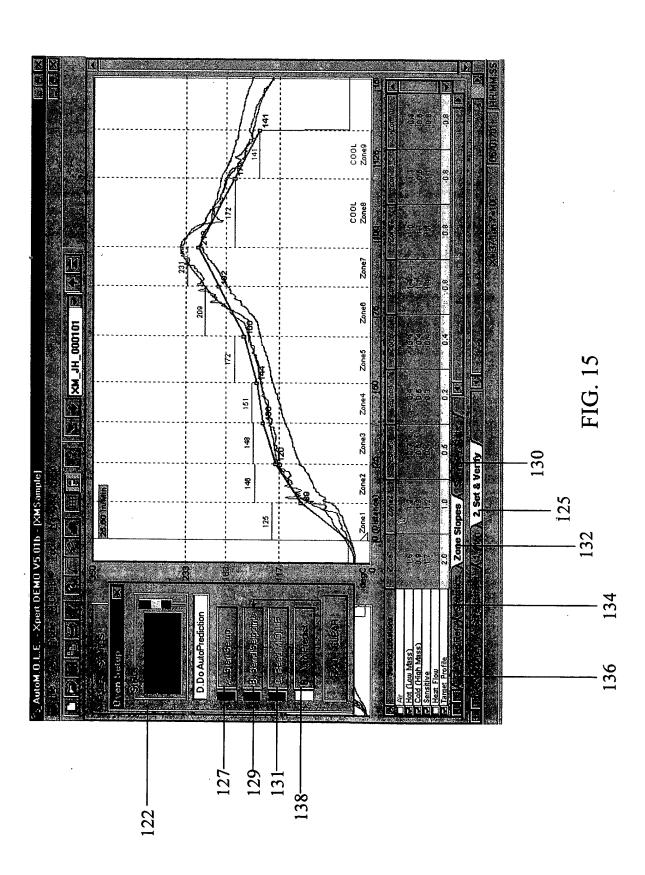








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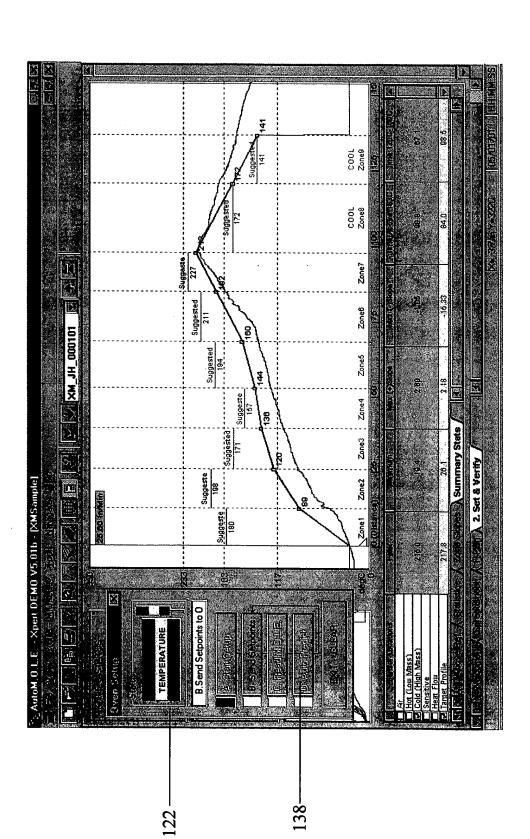
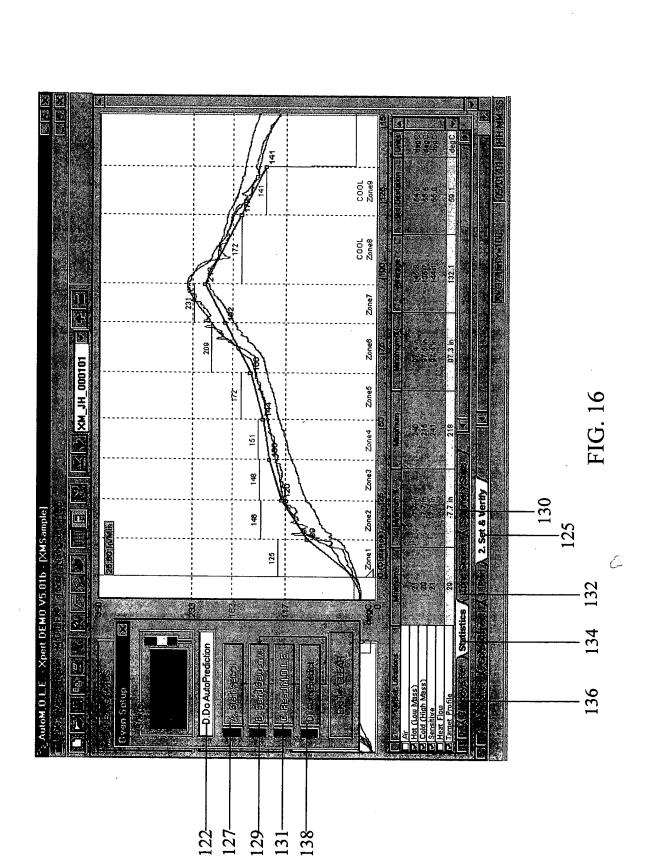
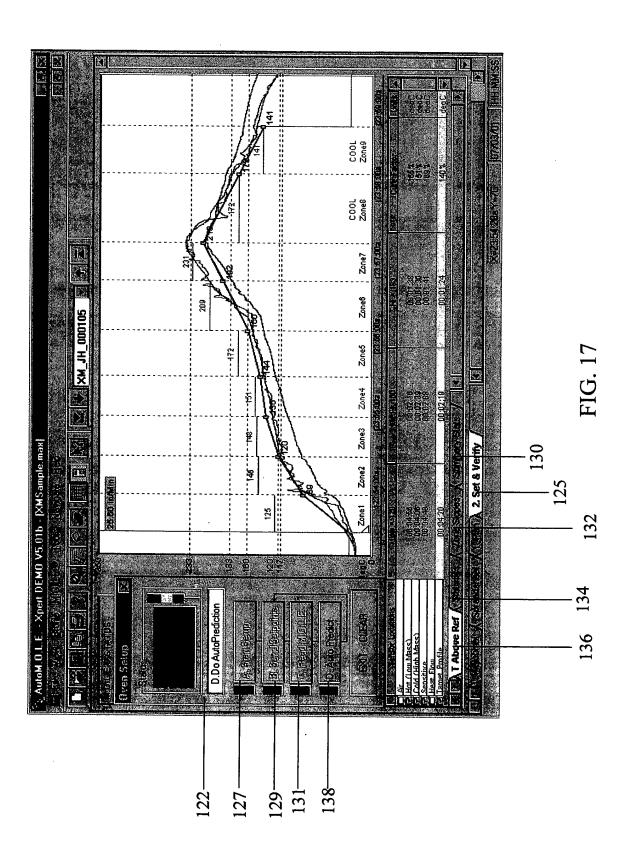


FIG. 19

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d. 4.





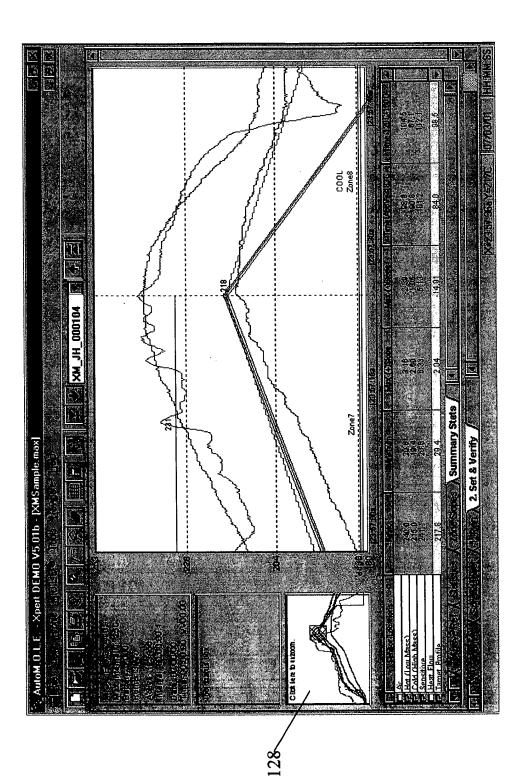


FIG. 18

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 $M^{\prime}(A)$



